

GenCore version 5.1.4\_p5\_4578  
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2003, 15:05:45 ; Search time 495.817 Seconds  
(Without alignments)  
10973.529 Million cell updates/sec

Title: US-08-978-217-15

Perfect score: 7752  
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Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 501302 seqs, 350932545 residues

Total number of hits satisfying chosen parameters: 1002604

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCR\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
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- 6: /cgn2\_6/ptodata/2/pubpna/PCR\_NEW\_PUB.seq:\*
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- 12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215.6	2.8	1915	10	US-09-964-824A-101
2	215.6	2.8	1915	10	US-09-964-824A-563
3	215.6	2.8	1915	10	US-09-880-107-340
4	215.6	2.8	1915	10	US-09-867-768A-112
5	215.6	2.8	1917	9	US-10-025-380-1105
6	215.6	2.8	1917	10	US-09-922-217-1105
7	215.6	2.8	1996	10	US-09-925-301-207
8	176.2	2.3	626	9	US-10-025-380-853
9	176.2	2.3	626	10	US-09-922-217-853
10	176.2	2.3	626	10	US-09-833-263-853
11	166	2.1	437	10	US-09-998-598-2216
12	163.8	2.1	499	10	US-09-998-598-2290
13	163.8	2.1	502	10	US-10-076-622-282
14	163.8	2.1	502	10	US-09-604-287A-282
15	163.8	2.1	502	10	US-09-339-338-282
16	163.8	2.1	502	12	US-10-007-805-282
17	148	1.9	451	10	US-09-998-598-32
18	140.2	1.8	355	10	US-09-867-701-4818
19	132.2	1.7	563	9	US-10-025-380-944

C 20	132.2	1.7	563	10	US-09-922-217-944	Sequence 944, App
C 21	132.2	1.7	563	10	US-09-833-263-944	Sequence 944, App
C 22	123.6	1.6	5973	10	US-09-893-238-4	Sequence 4, Appl1
C 23	121.4	1.6	593	10	US-09-864-761-14745	Sequence 14745, A
C 24	116.8	1.5	5045	9	US-09-974-298-12	Sequence 12, Appl1
C 25	115.4	1.5	852	9	US-09-232-880-44	Sequence 44, Appl1
C 26	115.4	1.5	852	9	US-10-012-896-44	Sequence 44, Appl1
C 27	115.4	1.5	852	9	US-09-895-793-44	Sequence 44, Appl1
C 28	115.4	1.5	852	9	US-09-895-814-44	Sequence 44, Appl1
C 29	115.4	1.5	852	10	US-09-759-143-44	Sequence 44, Appl1
C 30	115.4	1.5	852	10	US-09-780-666-44	Sequence 44, Appl1
C 31	115.4	1.5	852	10	US-09-030-606-44	Sequence 44, Appl1
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C 33	115.4	1.5	852	10	US-09-822-827-44	Sequence 44, Appl1
C 34	115.4	1.5	852	10	US-09-115-453-44	Sequence 44, Appl1
C 35	115	1.5	7208	9	US-09-824-3228-107	Sequence 107, App
C 36	115	1.5	196	10	US-09-864-761-31274	Sequence 31274, A
C 37	115	1.5	1429	10	US-09-925-297-309	Sequence 309, App
C 38	114.6	1.5	1429	10	US-09-764-864-320	Sequence 320, App
C 39	114.4	1.5	1470	10	US-09-960-353-11873	Sequence 11873, A
C 40	114.4	1.5	17056	10	US-09-312-762A-3	Sequence 3, Appl1
C 41	114.2	1.5	249487	9	US-10-026-188-3	Sequence 3, Appl1
C 42	114	1.5	2231	10	US-09-796-858-17	Sequence 17, Appl1
C 43	113.8	1.5	1720	10	US-09-778-844-158	Sequence 158, App
C 44	113.4	1.5	173808	12	US-10-003-806-10	Sequence 10, Appl1
C 45	113.2	1.5	271	9	US-09-933-797-491	Sequence 491, App

## ALIGNMENTS

RESULT 1  
US-09-964-824A-101  
Sequence 101, Application US/09964824A  
Patient No. US20020102531A1  
GENERAL INFORMATION:  
APPLICANT: Horrigan, Stephen  
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signature  
FILE REFERENCE: 689290-73  
CURRENT APPLICATION NUMBER: US/09/964, 824A  
CURRENT FILING DATE: 2001-09-27  
PRIOR APPLICATION NUMBER: US/60/236, 033  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236, 032  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236, 028  
PRIOR FILING DATE: 2000-09-28  
NUMBER OF SEQ ID NOS: 583  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 101  
LENGTH: 1915  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-964-824A-101  
Query Match 2.8%; Score 215.6; DB 10; Length 1915;  
Best Local Similarity 65.6%; Pred. No. 4.3e-45;  
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;  
QY 6999 AGGTATTACTACAAACGAGAGATCTGGAACGGGTGATGCGCCGACGCTCTGTACAG 7058  
DB 1119 AGGTACTACTACAAACGAGAGATCTGGAACGGGTGATGCGCCGACGCTCTGTACAG 1178  
QY 7059 TTGGCAAGAACTTATGCTGGAAGAAAGAGGTTGAGAGAGTCCGAATTAAAGA 7118  
DB 1179 TTGGCAAAACTCAACCGCTGGAAGAGAGAGGTTCTCCAGACTCGAACTGAGCG 1238  
QY 7119 TCGGGCTGAGCCGAGACCTGACGATGATCAACTGCAACTGAAGCTTCTTGAA 7178  
DB 1239 TTGGAACCTATACCCGGGACCAAACTCACGACCTGAGAGCTTGCAAACTTCTTGGA 1298  
QY 7179 GGACAGGAGGCTGAGCGGCCCTTAAACATGATGTGTTCCCTGTGCTAGAGAG 7238

Db 1239 GGACAGGCGAGGAGATG-CCCTCCACTGGGGAATGCTCCAGCTGCTGGAGAG 1357  
 Oy 7239 GAAGAACCTGTGGGCGTCCCTGCG--AGTCTCCTCAAGTGCAGCTTTGGGCTC-- 7293  
 Db 1358 AAGCTGATGTTTGGTGTATGTCAAGCATGCTCTCGGAGCTCGAGACTATGCTCGC 1417  
 Oy 7294 --TCTCTCGCCCTTGGAAATTAACAAGCCCGGGTTTGAACCACTTGTGCA----- 7345  
 Db 1418 CTCCCAACCTCTCTTGGAAATTAACAAGCCCTGGGTTTGAAGTGAATTAAGCTGCA 1477  
 Oy 7346 -----TAACTCTTCCAGCTGTGATTTCACTTCCCTCCCAATATGAGCTGCA 7397  
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 Oy 7398 ATGAGACCCAGCTGAGATGCTGGCTCAGCCAAAGAGAGCTGGGAGACTGGCAGGA 7457  
 Db 1538 AACCTTCTCTCTGACACACTTGAAGTCAAGCCAAAGAGGCTCGGG--GAGGCCCTAGGG 1595  
 Oy 7458 GACTGCAAGGACGAGGAGGAGGAGGTTGTCTCTCG--TACTTCTTGAAGCTGCTTC 7513  
 Db 1596 GAGCACCGTATGATGAGAGACAGAGAGGGGCTCCAGCACTTCTTTCTGAGCTGGCGTT 1655  
 Oy 7514 CACCTCTTGTCTCACTACTCAAGCTCCACAGACGGGGCTCGATCA-TCCCTAATTTATG 7572  
 Db 1656 CACCTCCCTGCTCAGTGTGGGCTCCACGGGAGGGGTCAGAGCACTCTTAATTTATG 1715  
 Oy 7573 TGC--TATAAATATTCAGGAGTATATAGAGCTATTTTCTAAAGATTTCCCTCC 7630  
 Db 1716 TGCATATATAATATGTCAGATATACATATAGATCTATTTTCTAAACATTTCCCTCC 1775  
 Oy 7631 CTGCTCTTCTCCACTGAGTGTCTGG 7654  
 Db 1776 CACTCCTCTCCACAGAGTGTCTGG 1799

RESULT 2  
 US-09-964-824A-563  
 ; Sequence 563, Application US/09964824A  
 ; Patent No. US20020102531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horrigan, Stephen  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
 ; FILE REFERENCE: 689290-73  
 ; CURRENT APPLICATION NUMBER: US/09/964,824A  
 ; CURRENT FILING DATE: 2001-09-27  
 ; PRIOR APPLICATION NUMBER: US/60/236,033  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,032  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US/60/236,028  
 ; PRIOR FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID NOS: 583  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 563  
 ; LENGTH: 1915  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-964-824A-563  
 Query Match 2.8%; Score 215.6; DB 10; Length 1915;  
 Best Local Similarity 65.6%; Pred. No. 4,3e-45;  
 Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

Oy 6999 AGGTAATTACTAACAAACGGAGATCTCTGAACGGGTGATGCGGACGCTGCTTACAAAG 7058  
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 Oy 7059 TTGGCAAGAACTTCAAGTGTCTGGAAGAAAGAGCTTGAAGAGAGTCTGGAATTAAGA 7118  
 Db 1179 TTGGCAAAAACTCAACGCGTGGAGGAGAGAGGTTCTCCAGAGTGTGGAAGTGAAGG 1238

Oy 7119 TCGGGCTGGAACCCAGACCTGACTCAGGCAATGAATTCAGAACTGAAGCTTCTCTGGA 7178  
 Db 1239 TTGGAATCTATACCCGGGACCAAACTCAGCAGCACTCGAGGCTGCAAACTTCTCTGGA 1298  
 Oy 7119 GGACAGGAGGCTGAGAGGCCCCCTTAACATGATATGTGTCCTGTGTGCTGTAGAGAG 7238  
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 Oy 7294 --TCTCTCGCCCTTGTGAATTAACAAGCCCGGGTTTGAACCAACTTGTGCA----- 7345  
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 Oy 7346 -----TAACTCTTCCAGCTGTGATTTCACTTCCCTCCCAATATGAGCTGCA 7397  
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 Db 1538 AACCTTCTCTCTGACACACTTGAAGTCAAGCCAAAGAGGCTCGGG--GAGGCCCTAGGG 1595  
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 Oy 7631 CTGCTCTTCTCCACTGAGTGTCTGG 7654  
 Db 1776 CACTCCTCTCCACAGAGTGTCTGG 1799

RESULT 3  
 US-09-880-107-3420  
 ; Sequence 3420, Application US/09880107  
 ; Patent No. US20020142981A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horne, Darci T.  
 ; APPLICANT: Vockley, Joseph G.  
 ; APPLICANT: Scherf, Uwe  
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
 ; FILE REFERENCE: 44921-5028-NO  
 ; CURRENT APPLICATION NUMBER: US/09/880,107  
 ; CURRENT FILING DATE: 2001-06-14  
 ; PRIOR APPLICATION NUMBER: US 60/211,379  
 ; PRIOR FILING DATE: 2000-06-14  
 ; PRIOR APPLICATION NUMBER: US 60/237,054  
 ; PRIOR FILING DATE: 2000-10-02  
 ; NUMBER OF SEQ ID NOS: 3950  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 3420  
 ; LENGTH: 1915  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U73843  
 US-09-880-107-3420

Query Match 2.8%; Score 215.6; DB 10; Length 1915;  
 Best Local Similarity 65.6%; Pred. No. 4,3e-45;  
 Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;  
 Oy 6999 AGGTAATTACTAACAAACGGAGATCTCTGAACGGGTGATGCGGACGCTGCTTACAAAG 7058

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Db 1179 TTGGGCAAAAAGCTCAACGGGCTGGAAGAGAGAGGTTCTCCAGAGTCCGAAGAGG 1238
Qy 7119 TCGGGGCTGAGACCCAGAGCTGACTCAAGCATGAATCCAGAACTGAAGCCTTCTGAA 7178
Db 1239 TTGGAACTATATACCGGGAGCCAAACTCAAGGACACTCGAGGCTTGCAAACTTCTGGA 1298
Qy 7179 GGACAGGAGAGCTGAGAGGCCCCCTTAAACATGATGTGTTCCCTGTGTGTGTAGAGAG 7238
Db 1299 GGACAGGAGAGGAGATG--CCCTCCACATGGGGAATGCTCCAGCTGTGTGTGAGAG 1357
Qy 7239 GAAGAACTGTGGGGCGTGCCTCTGC---AGTCTCCTCAAGTGCAGGCTTTGGCTC-- 7293
Db 1358 AAGCTGATGTTTGTGTATTTGTACAGCATGCTGTCTGGAGCTCGGAGACTATAGCTGC 1417
Qy 7294 --TCTCTCGCCCTCTTGAATTACAAGCCCGGGTTTGAACCAACTTGTTCGA----- 7345
Db 1418 CTCCTCCACCTCTCTTGAATTACAAGCCCTGGGTTTGAAGCTGACTTTATAGCTGCA 1477
Qy 7346 -----TAACTCTTCAAGTGTGATTCAGTTCCCTCCCTCCGCTCAACATGACTGCA 7397
Db 1478 AGTGTATCTCTTTATCTGGTGTGCTCTCAAACTCAGTCTCAGACACTAATGACAGCA 1537
Qy 7398 ATGAGAACCCAGCTGCAATGCTGGGCTCAGGCCAAGAGGCTGGAGAGCTGTGGCAGA 7457
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Db 1596 GAGACCGGTATGAGAGAGAGAGAGAGGAGGCTCCAGACCTTTCTTGTGAGCTGGGTT 1655
Qy 7514 CACCTTTTGTCTAGTACTAGGCTCCACAGAGCGGGGTGAGTCA--TCCTAATTATG 7572
Db 1656 CACCTCCCTGCTAGTCTTGGGCTCCACGAGGAGGAGCTCAGACACTCCCTAATTATG 1715
Qy 7573 TGC--TATAAATATTCAGAGTATATAGAGCTATTTTCTTAAGCATTTCCCTCC 7630
Db 1716 TGCATATAAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1775
Qy 7631 CTGCTCTTCTCACTGAGTGTCTGG 7654
Db 1776 CACTCTCTCCACAGAGTGTCTGG 1799

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## RESULT 4

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US-09-967-768A-192
; Sequence 192, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 192
; LENGTH: 1915
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-192

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Query Match 2.8%; Score 215.6; DB 10; Length 1915;
Best Local Similarity 65.6%; Pred. No. 4,3e-45;
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

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Qy 6999 AGGATATTACTACAAACGGGAGATCTTGAAACGGGTGATGGCCCGCACTGCTTACAAG 7058
Db 1119 AGGACTACTACAAACGGGAGATCTTGAAACGGGTGATGGCCCGCACTGCTTACAAG 1178
Qy 7059 TTGGGCAAGAAGCTAGTGCCTGGAAGAAAGAGTTGGAGAGTCCGAATTAAAGA 7118
Db 1179 TTGGGCAAAAAGCTCAACGGGCTGGAAGAGAGAGGTTCTCCAGAGTCCGAAGAGG 1238
Qy 7119 TCGGGGCTGAGACCCAGAGCTGACTCAAGCATGAATCCAGAACTGAAGCCTTCTGAA 7178
Db 1239 TTGGAACTATATACCGGGAGCCAAACTCAAGGACACTCGAGGCTTGCAAACTTCTGGA 1298
Qy 7179 GGACAGGAGAGCTGAGAGGCCCCCTTAAACATGATGTGTTCCCTGTGTGTGTAGAGAG 7238
Db 1299 GGACAGGAGAGGAGATG--CCCTCCACATGGGGAATGCTCCAGCTGTGTGTGAGAG 1357
Qy 7239 GAAGAACTGTGGGGCGTGCCTCTGC---AGTCTCCTCAAGTGCAGGCTTTGGCTC-- 7293
Db 1358 AAGCTGATGTTTGTGTATTTGTACAGCATGCTGTCTGGAGCTCGGAGACTATAGCTGC 1417
Qy 7294 --TCTCTCGCCCTCTTGAATTACAAGCCCGGGTTTGAACCAACTTGTTCGA----- 7345
Db 1418 CTCCTCCACCTCTCTTGAATTACAAGCCCTGGGTTTGAAGCTGACTTTATAGCTGCA 1477
Qy 7346 -----TAACTCTTCAAGTGTGATTCAGTTCCCTCCCTCCGCTCAACATGACTGCA 7397
Db 1478 AGTGTATCTCTTTATCTGGTGTGCTCTCAAACTCAGTCTCAGACACTAATGACAGCA 1537
Qy 7398 ATGAGAACCCAGCTGCAATGCTGGGCTCAGGCCAAGAGGCTGGAGAGCTGTGGCAGA 7457
Db 1538 ACACCTTCTCTCTGCAACACTGTGAGCTGAGCCAGAGGCTGG--GAGGCCCTAGGG 1595
Qy 7458 GACTGACGAGAGGAGGAGGAGGTTGTCTCG---TACTCTCTGAGTGCCTTC 7513
Db 1596 GAGACCGGTATGAGAGAGAGAGAGGAGGCTCCAGACCTTTCTTGTGAGCTGGGTT 1655
Qy 7514 CACCTTTTGTCTAGTACTAGGCTCCACAGAGCGGGGTGAGTCA--TCCTAATTATG 7572
Db 1656 CACCTCCCTGCTAGTCTTGGGCTCCACGAGGAGGAGCTCAGACACTCCCTAATTATG 1715
Qy 7573 TGC--TATAAATATTCAGAGTATATAGAGCTATTTTCTTAAGCATTTCCCTCC 7630
Db 1716 TGCATATAAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1775
Qy 7631 CTGCTCTTCTCACTGAGTGTCTGG 7654
Db 1776 CACTCTCTCCACAGAGTGTCTGG 1799

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## RESULT 5

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US-10-025-380-1105
; Sequence 1105, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tonglong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Gordon L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skelky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.

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; APPLICANT: Carter, Derrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1105
; LENGTH: 1917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-025-380-1105

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Query Match          2.8%; Score 215.6; DB 9; Length 1917;
Best Local Similarity 65.6%; Pred. No. 4.3e-45;
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

Qy 6999 AGGTATTACTACAAACGGAGATCTTGAAACGGGTGATGCGCCAGCGCTGCTACAAAG 7058
Db 1121 AGGTACTACTACAAACGGAGATCTTGAAACGGGTGATGCGCGGCACTCGTCTACAAAG 1180
Qy 7059 TTGGCAAGAACTCTAGTGGCTGGAAAGAAAGAGTTGAGAGATCGGAATTAAGA 7118
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Qy 7398 ATGAAACCCACCTGACAGATGCTGCTGCTCAGCCAGAGAGCTGGGAGACTGTGAGAGA 7457
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Db 1598 GAGCAGCGTATGAGAGAGACAGAGAGGAGGCTCCAGCACTTCTTCTGAGCTGGCGTT 1657
Qy 7514 CACCTCTTGTCTCACTACTCAGGCTCCACAGACGGGGGTGGATCA-TCCCTAATTATG 7572
Db 1658 CACCTCCCTGCTCAGTGTCTGGGCTCCACGGGAGGGGTCAAGAGCACTCCCTAATTATG 1717
Qy 7573 TGC--TATTAATATTCAGAGTATATAGAGACTATTTTCTTAAAGATTTCCCTCC 7630
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Db 1778 CACTCTCTCCCAAGAGTGTGG 1801

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RESULT 6
US-09-922-217-1105
; Sequence 1105, Application US/0992217
; Patent No. US20020764141
; GENERAL INFORMATION:
; APPLICANT: Xu, Jianshun

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; APPLICANT: Lodes, Michael J.
; APPLICANT: Secret, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Wang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1105
; LENGTH: 1917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1105

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Query Match          2.8%; Score 215.6; DB 10; Length 1917;
Best Local Similarity 65.6%; Pred. No. 4.3e-45;
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

Qy 6999 AGGTATTACTACAAACGGAGATCTTGAAACGGGTGATGCGCCAGCGCTGCTACAAAG 7058
Db 1121 AGGTACTACTACAAACGGAGATCTTGAAACGGGTGATGCGCGGCACTCGTCTACAAAG 1180
Qy 7059 TTGGCAAGAACTCTAGTGGCTGGAAAGAAAGAGTTGAGAGATCGGAATTAAGA 7118
Db 1181 TTGGCAAAACTCAACGGCGCTGGAAGAGAGAGTTCTCCAGAGTCGGAATGAGGG 1240
Qy 7119 TCGGGGCTGGAACCCAGAACCTGACTCAGGCATGAATCCAGAACTGAAGCCTTCTGGA 7178
Db 1241 TTGGAACCTATACCCGGAGCAACCTACGAGCACTCGAGCCTGCAACCTTCTCGGGA 1300
Qy 7179 GGACAGGAGCGCTGAGCGGCCCCCTTAACATGATGTGTTCCTGTGTTGCTGTAAGAG 7238
Db 1301 GGACAGGAGCGCAAGATGG-CCCTTCACACTGGGGAATGCTCCAGCTGTGCTGTGAGAG 1359
Qy 7239 GAAGAACCTGTGGGGGCTGCTGCG---AGTCTCCTCAAGTCAGACCTTTGGCCTC-- 7293
Db 1350 AAGCTGATGTTTGGTGATTTGTTCAGCCATCTGCTGAGACTCGGAGCTATGCGCTCGC 1419
Qy 7294 --TCTCTGCGCCCTCTTGGAATTACAGCCCGGGTTTGAACCACTTGTGCA----- 7345
Db 1420 CTCCCAACCTCTCTCTGGAATTACAGCCCTGGGTTTGAAGCTGATTTATAGCTGCA 1479
Qy 7346 -----TACTCTTCCAGCTGTGATTCAGTTCCTCCCTCCCAACATGAGCTGCAA 7397
Db 1480 AGTGTATCTCTTTATCTGTGTGCTCTCAAAACCACTCAGACACTAAATGAGACA 1539
Qy 7398 ATGAAACCCACCTGACAGATGCTGCTGCTCAGCCAGAGAGCTGGGAGACTGTGAGAGA 7457
Db 1540 AACCTTCTCTCTGACAGACCTGACCTGACCTGACCAAGAGAGGCTGGG--GAGGCCCTAGGG 1597
Qy 7458 GACTCAGAGGAGGAGGAGGAGGAGGTTGTCTCGG---TACTTCTGAGCTGCTTC 7513
Db 1598 GAGCAGCGTATGAGAGAGACAGAGAGGAGGCTCCAGCACTTCTTCTGAGCTGGCGTT 1657
Qy 7514 CACCTCTTGTCTCACTACTCAGGCTCCACAGCGGGGTGGATCA-TCCCTAATTATG 7572
Db 1658 CACCTCCCTGCTCAGTGTCTGGGCTCCACGGGAGGGGTCAAGAGCACTCCCTAATTATG 1717
Qy 7573 TGC--TATTAATATTCAGAGTATATAGAGACTATTTTCTTAAAGATTTCCCTCC 7630
Db 1718 TGCCTATATTAATATGTCAGATGATACATAGATCTATTTTCTTAAACATTTCCCTCC 1777
Qy 7631 CTGCTCTTCTCAGTGTGCTGG 7654

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Db 1778 CACTCTCTCCACAGAGTCTGG 1801

## RESULT 7

US-09-925-301-207  
; Sequence 207, Application US/09925301  
; Patent No. US20020052308A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA106  
; CURRENT APPLICATION NUMBER: US/09/925,301  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05882  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1694  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 207  
; LENGTH: 1996  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-301-207

Query Match 2.8%; Score 215.6; DB 10; Length 1996;

Best Local Similarity 65.6%; Pred. No. 4,4e-45; Mismatches 204; Indels 31; Gaps 8;

Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

Qy 6999 AGGTATTACTACAAACGGAGATCTGGAACGGGTGATGAGCCGACGGCTGCTACAAAG 7058  
Db 1140 AGGTACTACTACAAACGGAGATCTGGAACGGGTGATGAGCCGACGGCTGCTACAAAG 1199  
Qy 7059 TTTGGCAAGAACTTAAGTGGCTGGAAGAAAGAGTGGAGAGTGGAAATTAAGA 7118  
Db 1200 TTTGGCAAAACTTAAGTGGCTGGAAGAAAGAGTGGAGAGTGGAAATTAAGA 1259  
Qy 7119 TCGGGGCTGAGCCGAGGACCTGACGAGCATGAATCCAGAACTGAACCTTCTCTGGA 7178  
Db 1260 TTGGAATTAATACCGGAGCAAACTCAACGACCTGAGGCTGCAACCTTCTCTGGA 1319  
Qy 7179 GAGACGAGGAGCTGAGCGCCCTTAACATGATGATGTTCTGTTGCTGTAGAGAG 7238  
Db 1320 GAGACGAGGAGCTGAGCGCCCTTAACATGATGATGTTCTGTTGCTGTAGAGAG 1378  
Qy 7239 GAGACGAGGAGCTGAGCGCCCTTAACATGATGATGTTCTGTTGCTGTAGAGAG 7293  
Db 1379 GAGACGAGGAGCTGAGCGCCCTTAACATGATGATGTTCTGTTGCTGTAGAGAG 1438  
Qy 7294 --TCTCGCGCCCTTGAATTAACAGCCCGGGTTGAACCAATTGTCGA----- 7345  
Db 1439 CTCCCAACCTCTCTGGAATTAACAGCCCGGGTTGAACCAATTGTCGA----- 7397  
Qy 7346 -----TAACTCTCAGCTGTGATTAACAGTTCCCTCCCGCTCAACATGAGACTGCA 7397  
Db 1499 AGTATATCTCTTTATATGATGATGATGATGATGATGATGATGATGATGATGATG 1558  
Qy 7398 ATGAGACCCACCTGAGATGCTGAGCTGAGCCCAAGAGGCTGGGAGAGCTGTGAGAGA 7457  
Db 1559 ACACCTTCTCTCTGAGACCTGAGCTGAGCCCAAGAGGCTGGGAGAGCTGTGAGAGA 1616  
Qy 7458 GACGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7513  
Db 1617 GAGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1676  
Qy 7514 CACCTCTTGGCTCAGTACTCAGCTCCACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 7572  
Db 1677 CACCTCTTGGCTCAGTACTCAGCTCCACAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1736  
Qy 7573 TGC--TATTAATATTCAGGAGTATATGAGAGCTATTTTCTTAAGCAATTTCCCTCC 7630  
Db 1737 TGTATATTAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1796

Qy 7631 CTGCTCTTCCACTGAGTCTGG 7654  
Db 1797 CACTCTCTCCACAGAGTCTGG 1820

## RESULT 8

US-10-025-380-853/c  
; Sequence 853, Application US/10025380  
; Publication No. US20020182191A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tonglong  
; APPLICANT: Jiang, Yugu  
; APPLICANT: Smith, Carole L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick Thomas S.  
; APPLICANT: Carter, Darick  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121, 471C14  
; CURRENT APPLICATION NUMBER: US/10/025,380  
; CURRENT FILING DATE: 2001-12-19  
; NUMBER OF SEQ ID NOS: 1129  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 853  
; LENGTH: 626  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-025-380-853

Query Match 2.3%; Score 176.2; DB 9; Length 626;

Best Local Similarity 85.6%; Pred. No. 3.2e-35; Mismatches 33; Indels 0; Gaps 0;

Matches 196; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

Qy 4147 TGCAGAGAGCAAGCTGAGCTAGCGGCGCCAGTTCGTGTCGAAGCCAGTTCT 4206  
Db 622 TACAGAGAGGCAAGCTGAGCTAGCGGCGCCAGTTCGTGTCGAAGCCAGTTCT 563  
Qy 4207 GAGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 4266  
Db 562 GAGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 503  
Qy 4267 CCGCTGCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4326  
Db 502 ACGATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 443  
Qy 4327 CTTTGAACCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4375  
Db 442 CTTTGAACCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 394

## RESULT 9

US-09-922-217-853/c  
; Sequence 853, Application US/09922217  
; Patent No. US20020076414A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tonglong

APPLICANT: Jiang, Yugu  
APPLICANT: Smith, Carol Lynn  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.471C13  
CURRENT APPLICATION NUMBER: US/09/922,217  
CURRENT FILING DATE: 2001-08-03  
NUMBER OF SEQ ID NOS: 1124  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 853  
LENGTH: 626  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-922-217-853

Query Match 2.3%; Score 176.2; DB 10; Length 626;  
Best Local Similarity 85.6%; Pred. No. 3.2e-35;  
Matches 196; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

Qy 4147 TCGAAGAGGCAAGCTGACTAGCGAGGCGCCAGTTCTGTGGAAGACCGAGTTCT 4206  
Db 622 TACAGAGAAGGCGACCTGTGGGGAAACGCCCGATTCTGTGGAAGACCGAGTTCT 563  
Qy 4207 GGAGTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 4266  
Db 562 GGACTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 503  
Qy 4267 CCGCTGCAACATGACGAGCGACCCCTCTGACGCTGTGGCTGGAGAGCTGGGCTACT 4326  
Db 502 ACGATGTACATGATGATGGCGCCACCTCTGCAATGTGTGCTTGGAGAGCTGCTGTGT 443  
Qy 4327 CTTTGACCTCTGGGAGACAGCTCCAGCTTGGGAGCTTCACT 4375  
Db 442 CTTGGGCTCTGGGAGACCACTCCATGCTGCGAGCTTCACT 394

RESULT 10  
US-09-833-263-853/c  
Sequence 853, Application US/09833263  
Patent No. US20020110547A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
APPLICANT: Stolk, John A.  
APPLICANT: Meagher, Madeleine J.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.471C12  
CURRENT APPLICATION NUMBER: US/09/833,263  
CURRENT FILING DATE: 2001-04-10  
NUMBER OF SEQ ID NOS: 1093  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 853  
LENGTH: 626  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-833-263-853

Query Match 2.3%; Score 176.2; DB 10; Length 626;  
Best Local Similarity 85.6%; Pred. No. 3.2e-35;  
Matches 196; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

Qy 4147 TCGAAGAGGCAAGCTGACTAGCGAGGCGCCAGTTCTGTGGAAGACCGAGTTCT 4206  
Db 622 TACAGAGAAGGCGACCTGTGGGGAAACGCCCGATTCTGTGGAAGACCGAGTTCT 563  
Qy 4207 GGAGTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 4266  
Db 562 GGACTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 503

Qy 4267 CCGCTGCAACATGACGAGCGACCCCTCTGACGCTGTGGCTGGAGAGCTGGGCTACT 4326  
Db 502 ACGATGTACATGATGATGGCGCCACCTCTGCAATGTGTGCTTGGAGAGCTGCTGTGT 443  
Qy 4327 CTTTGACCTCTGGGAGACAGCTCCAGCTTGGGAGCTTCACT 4375  
Db 442 CTTGGGCTCTGGGAGACCACTCCATGCTGCGAGCTTCACT 394

RESULT 11  
US-09-998-598-2216/c  
Sequence 2216, Application US/09998598  
Patent No. US20020150922A1  
GENERAL INFORMATION:  
APPLICANT: Stolk, John A.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Chenault, Ruth A.  
APPLICANT: Meagher, Madeleine Joy  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER  
FILE REFERENCE: 210121.561  
CURRENT APPLICATION NUMBER: US/09/998,598  
CURRENT FILING DATE: 2001-11-16  
NUMBER OF SEQ ID NOS: 2606  
SOFTWARE: Corixa Invention Disclosure Database  
SEQ ID NO 2216  
LENGTH: 437  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-998-598-2216

Query Match 2.1%; Score 166; DB 10; Length 437;  
Best Local Similarity 86.0%; Pred. No. 1.1e-32;  
Matches 184; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

Qy 4147 TCGAAGAGGCAAGCTGACTAGCGAGGCGCCAGTTCTGTGGAAGACCGAGTTCT 4206  
Db 214 TACAGAGAAGGCGACCTGTGGGGAAACGCCCGATTCTGTGGAAGACCGAGTTCT 155  
Qy 4207 GGAGTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 4266  
Db 154 GGACTGATCAGCTCAACAGTGGAGAAACAAGTATGACGCGCAGCTCCAGCTTCTC 95  
Qy 4267 CCGCTGCAACATGACGAGCGACCCCTCTGACGCTGTGGCTGGAGAGCTGGGCTACT 4326  
Db 94 ACGATGTACATGATGATGGCGCCACCTCTGCAATGTGTGCTTGGAGAGCTGCTGTGT 35  
Qy 4327 CTTTGACCTCTGGGAGACAGCTTCCATGCTCCAG 4360  
Db 34 CTTGGGCTCTGGGAGACCACTCCATGCTCCAG 1

RESULT 12  
US-09-998-598-2290/c  
Sequence 2290, Application US/09998598  
Patent No. US20020150922A1  
GENERAL INFORMATION:  
APPLICANT: Stolk, John A.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Chenault, Ruth A.  
APPLICANT: Meagher, Madeleine Joy  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER  
FILE REFERENCE: 210121.561  
CURRENT APPLICATION NUMBER: US/09/998,598  
CURRENT FILING DATE: 2001-11-16  
NUMBER OF SEQ ID NOS: 2606  
SOFTWARE: Corixa Invention Disclosure Database  
SEQ ID NO 2290  
LENGTH: 499  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-998-598-2290

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Query Match 2.1%; Score 163.8; DB 10; Length 499;
Best Local Similarity 88.9%; Pred. No. 4.4e-32;
Matches 177; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 6256 GCCCCAGAGTACTACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 6315
DB 356 GCCCCAGAGGACCCACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 297
QY 6316 AACGAAGGCTCTATGAAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCA 6375
DB 296 AACGAGGGCTCTATGAAGTGGAGAACCGGACATGAGGCTCTTCAAGTTCTTCGCTCC 237
QY 6376 GAGGCGGTGGCCCACTCTGTGGGCGCAGAGAGAGAAACAGCAACATGACCTATGAGAG 6435
DB 236 GAGGCTGTGGCCCACTATGAGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTAGAGAG 177
QY 6436 CTGAGCCGAGCCATGAGGT 6454
DB 176 CTGAGCCGAGCCATGAGGT 158

RESULT 13
US-10-076-622-282
; Sequence 282, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076.622
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 282
; LENGTH: 502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-076-622-282

Query Match 2.1%; Score 163.8; DB 9; Length 502;
Best Local Similarity 88.9%; Pred. No. 4.4e-32;
Matches 177; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 6256 GCCCCAGAGTACTACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 6315
DB 258 GCCCCAGAGGACCCACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 317
QY 6316 AACGAAGGCTCTATGAAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCA 6375
DB 318 AACGAGGGCTCTATGAAGTGGAGAACCGGACATGAGGCTCTTCAAGTTCTTCGCTCC 377
QY 6376 GAGGCGGTGGCCCACTCTGTGGGCGCAGAGAGAGAAACAGCAACATGACCTATGAGAG 6435
DB 378 GAGGCTGTGGCCCACTATGAGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTAGAGAG 437
QY 6436 CTGAGCCGAGCCATGAGGT 6454
DB 438 CTGAGCCGAGCCATGAGGT 456

RESULT 14
US-09-604-287A-282
; Sequence 282, Application US/09604287A
; Patent No. US20020064872A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuguin
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
```

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; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604.287A
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 282
; LENGTH: 502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-604-287A-282

Query Match 2.1%; Score 163.8; DB 10; Length 502;
Best Local Similarity 88.9%; Pred. No. 4.4e-32;
Matches 177; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 6256 GCCCCAGAGTACTACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 6315
DB 258 GCCCCAGAGGACCCACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 317
QY 6316 AACGAAGGCTCTATGAAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCA 6375
DB 318 AACGAGGGCTCTATGAAGTGGAGAACCGGACATGAGGCTCTTCAAGTTCTTCGCTCC 377
QY 6376 GAGGCGGTGGCCCACTCTGTGGGCGCAGAGAGAGAAACAGCAACATGACCTATGAGAG 6435
DB 378 GAGGCTGTGGCCCACTATGAGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTAGAGAG 437

RESULT 15
US-09-339-338-282
; Sequence 282, Application US/09339338A
; Patent No. US20020102602A1
; GENERAL INFORMATION:
; APPLICANT: Yuguin, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339.338A
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 282
; LENGTH: 502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-339-338-282

Query Match 2.1%; Score 163.8; DB 10; Length 502;
Best Local Similarity 88.9%; Pred. No. 4.4e-32;
Matches 177; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 6256 GCCCCAGAGTACTACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 6315
DB 258 GCCCCAGAGGACCCACCTGTGGAGTTTATCCGAGACATCTTAATCCACCCGAGCTC 317
QY 6316 AACGAAGGCTCTATGAAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCA 6375
DB 318 AACGAGGGCTCTATGAAGTGGAGAACCGGACATGAGGCTCTTCAAGTTCTTCGCTCC 377
QY 6376 GAGGCGGTGGCCCACTCTGTGGGCGCAGAGAGAGAAACAGCAACATGACCTATGAGAG 6435
DB 378 GAGGCTGTGGCCCACTATGAGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTAGAGAG 437
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OY 6436 CTGAGCCGAGCCATGAGGT 6454  
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Db 438 CTGAGCCGCGGCATGAGGT 456

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